

## PRIOR ART

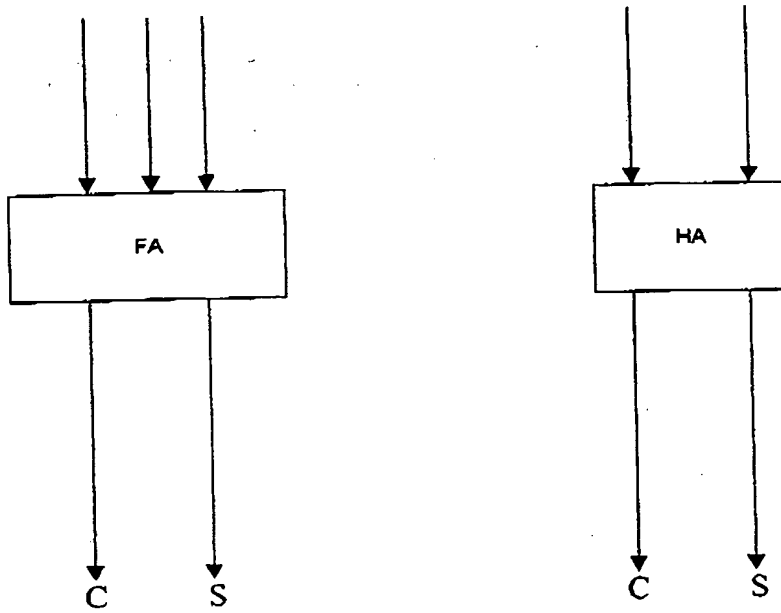


Fig 1

FOUO "45669260

## PRIOR ART

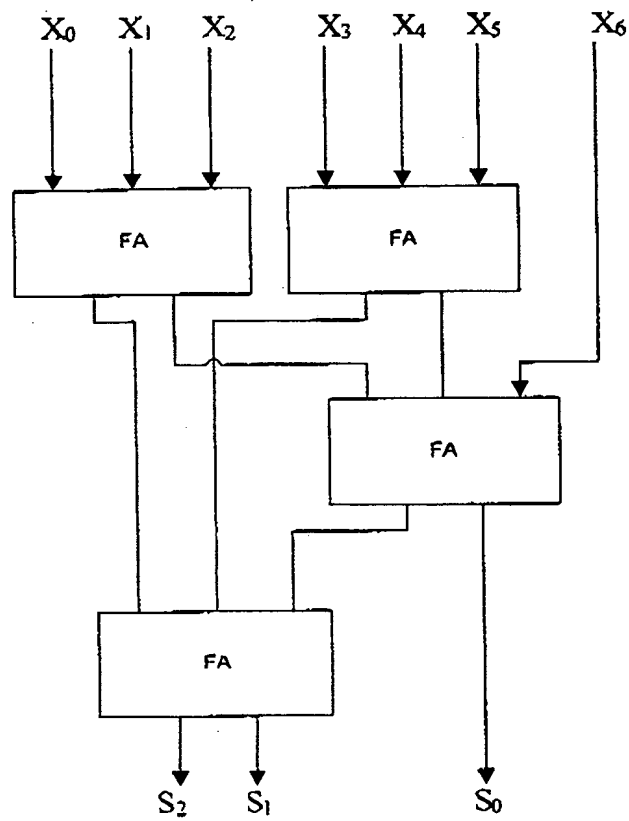


Fig 2

09769954.01501  
T05270"45669260

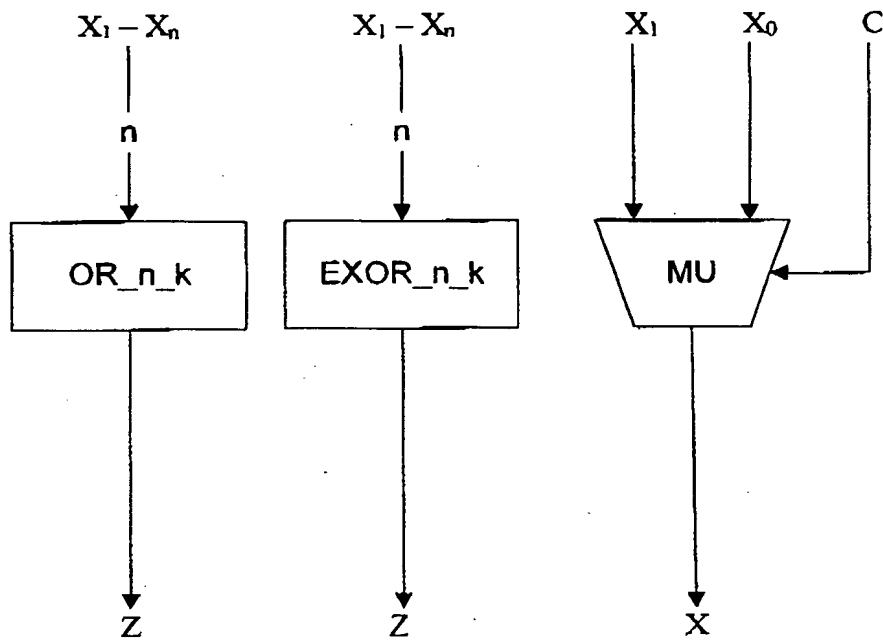


Fig 3

T05270"45669260

4/26

OR\_3\_1

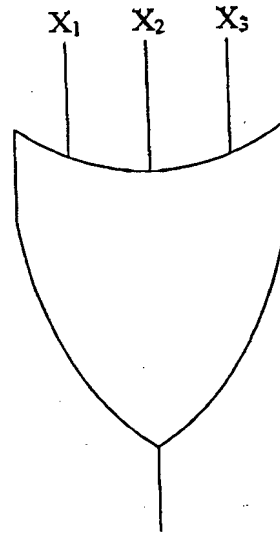


Fig 4

096994-01501  
T052F0"45669/60

OR\_4\_1

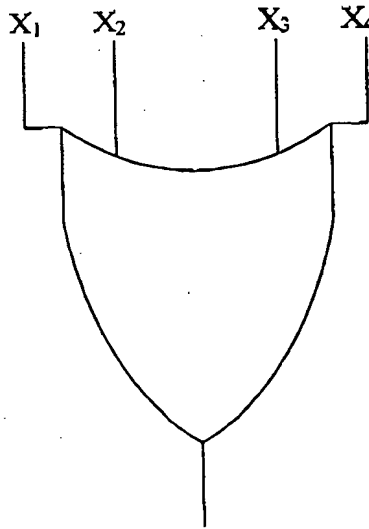


Fig 5

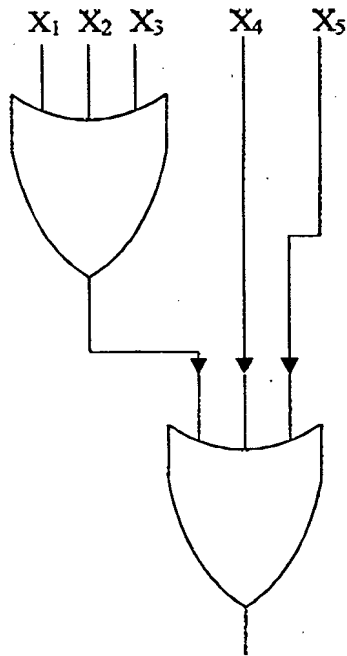


Fig 6

## EXOR\_7\_1

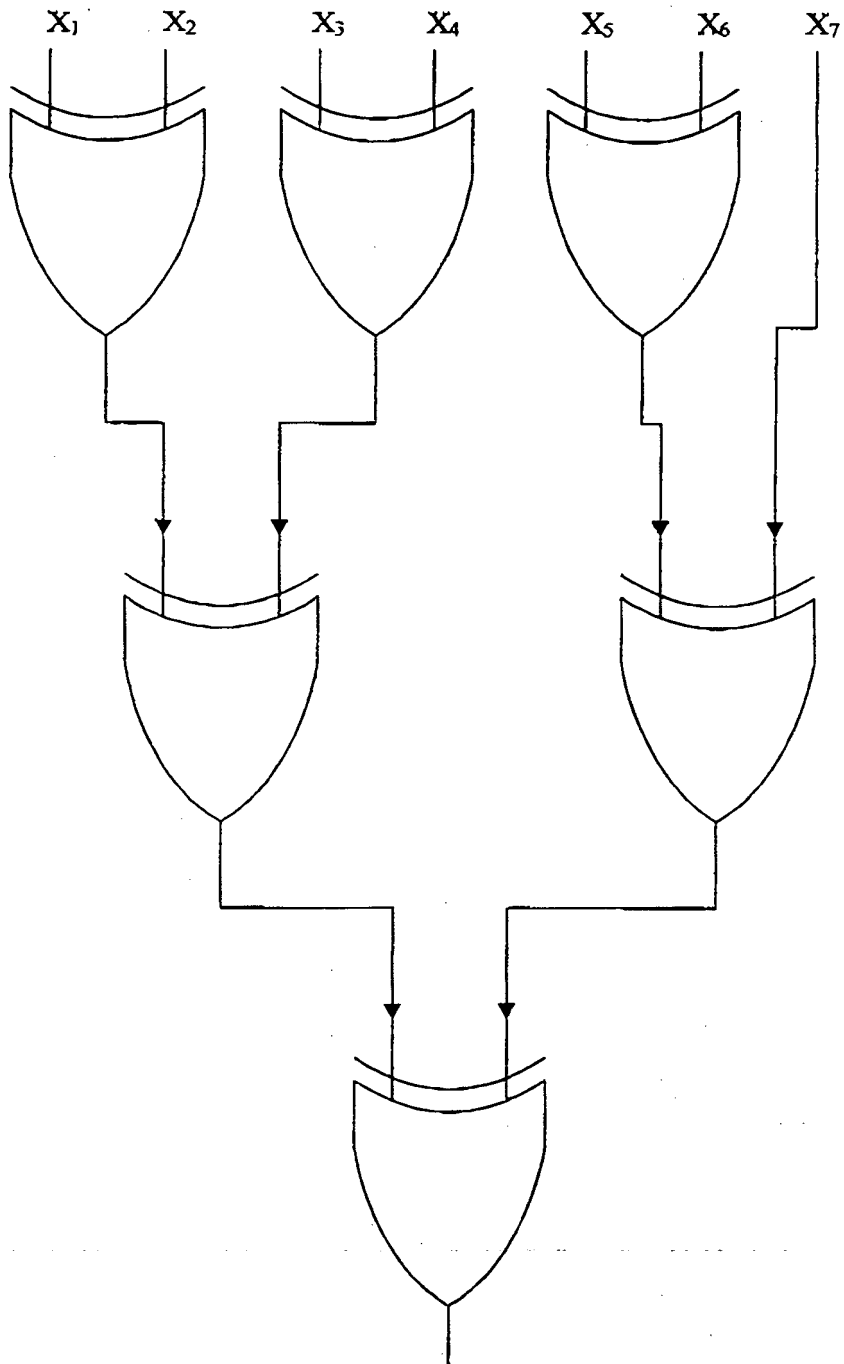


Fig 7

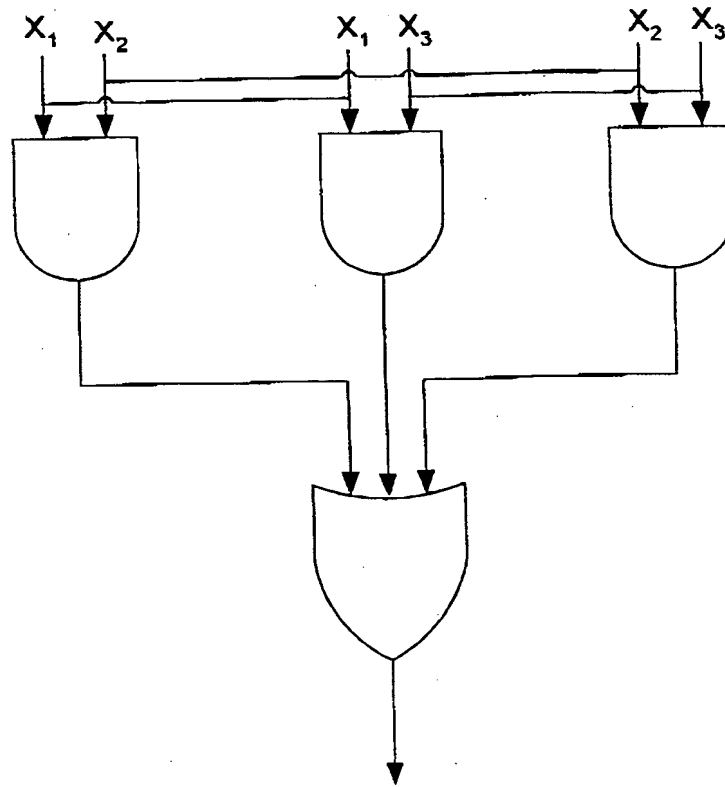


Fig 8



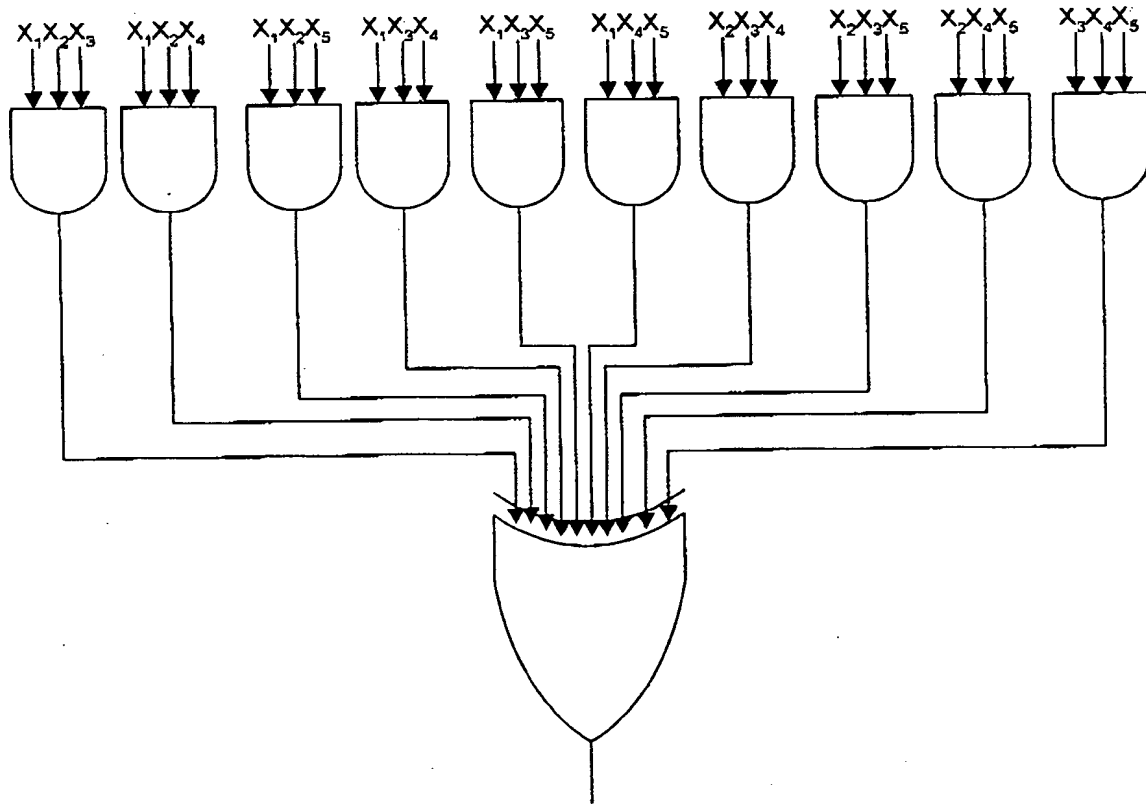


Fig 9

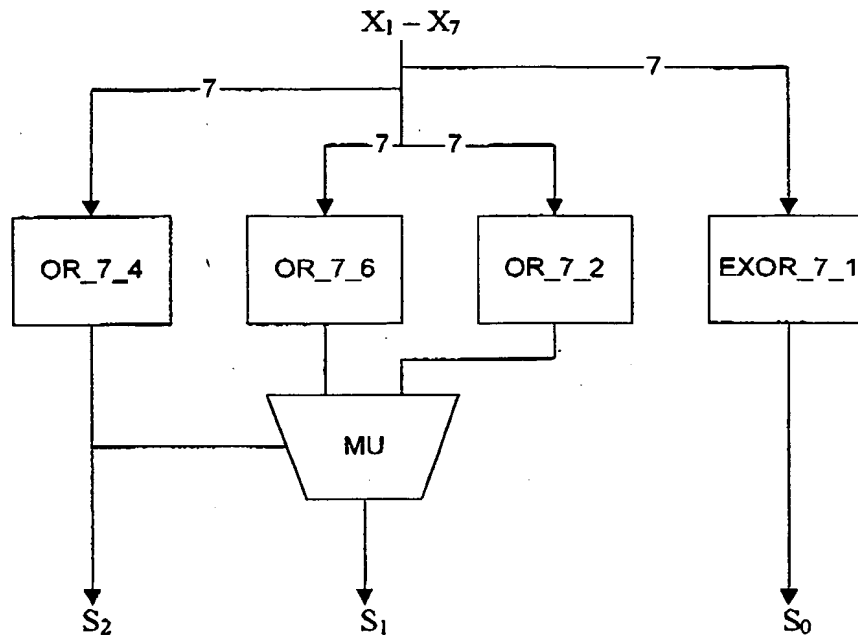


Fig 10

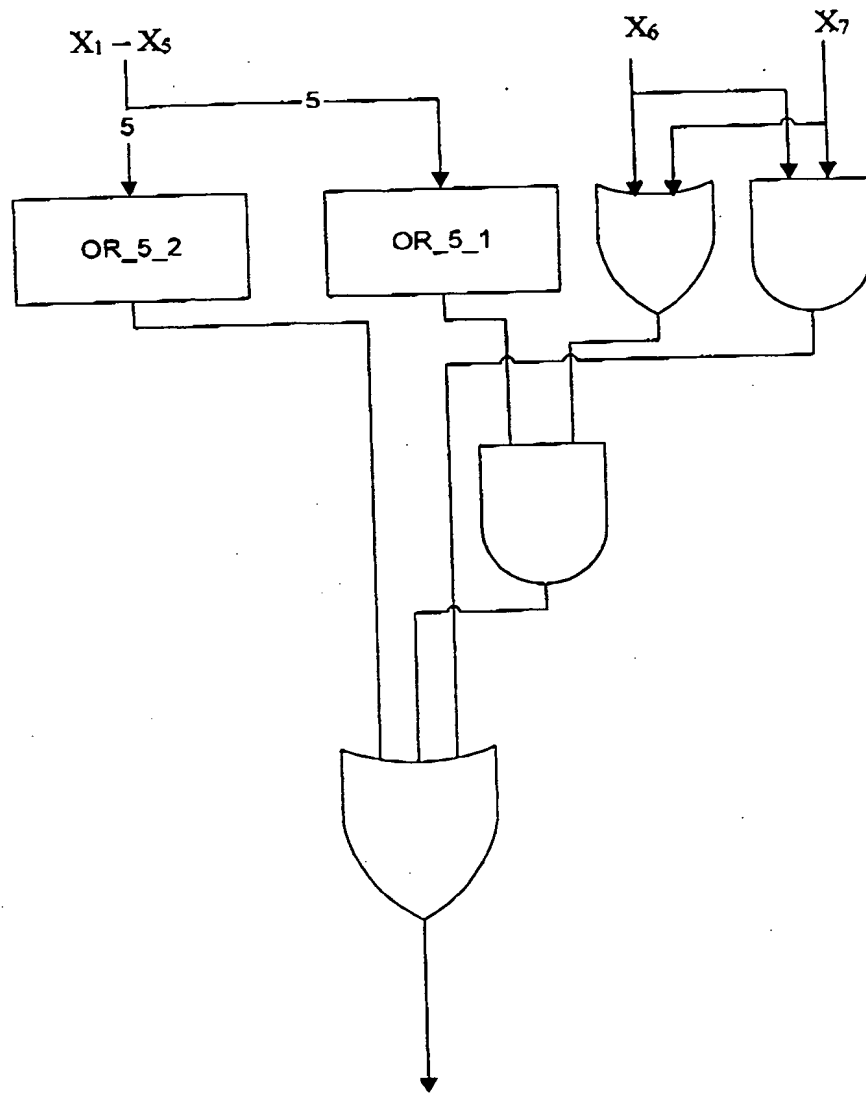


Fig 11

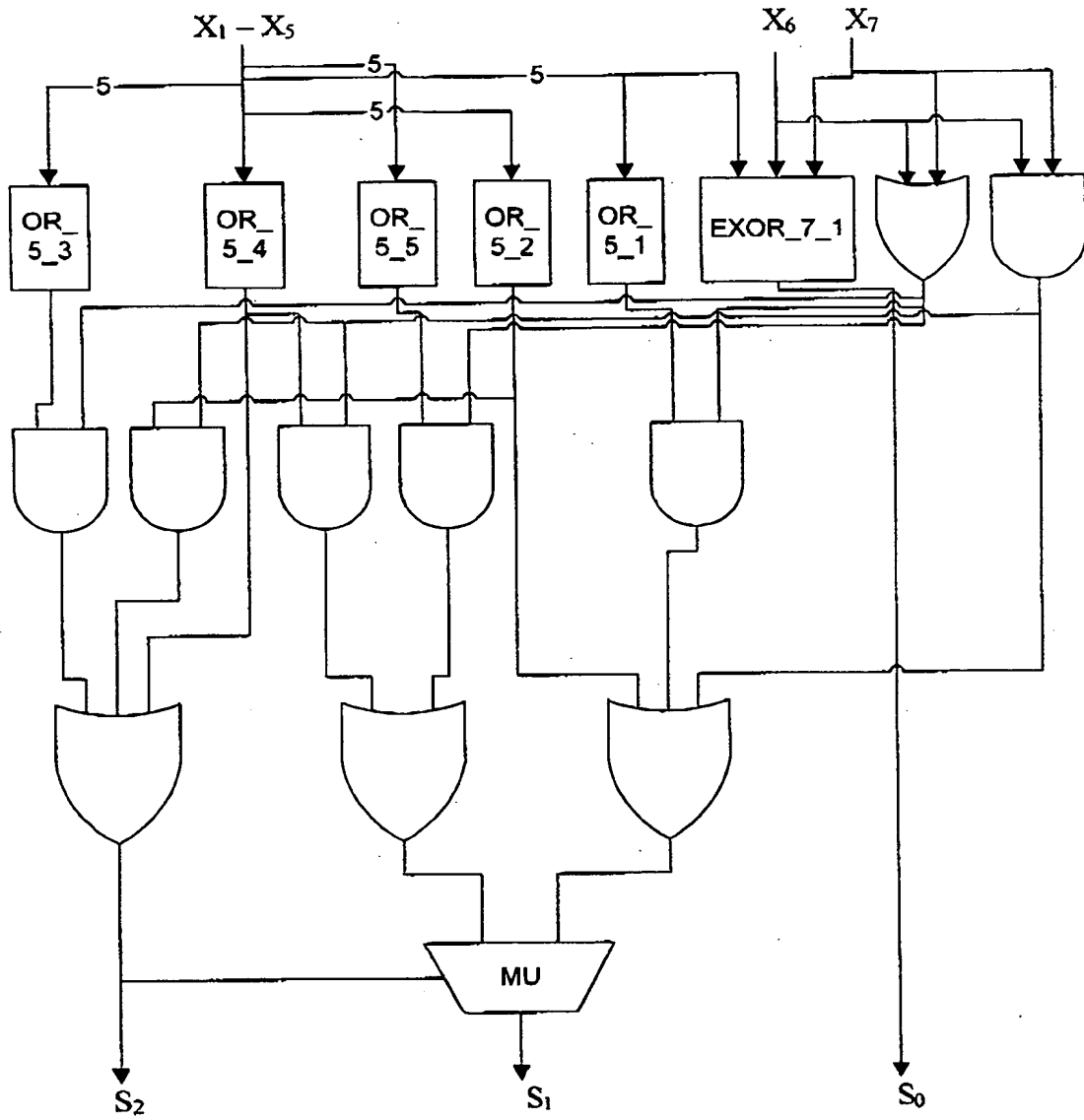


Fig 12

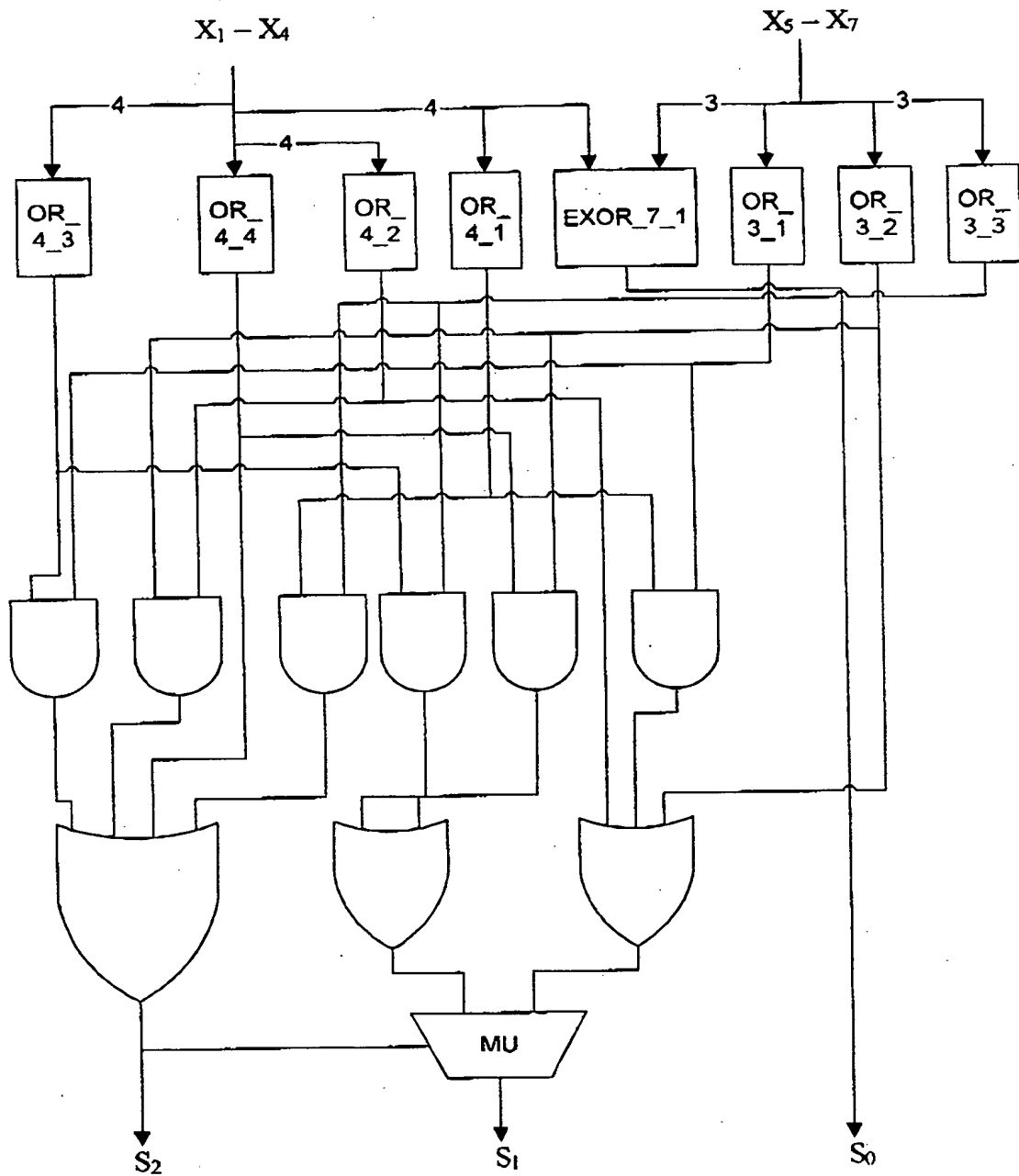


Fig 13

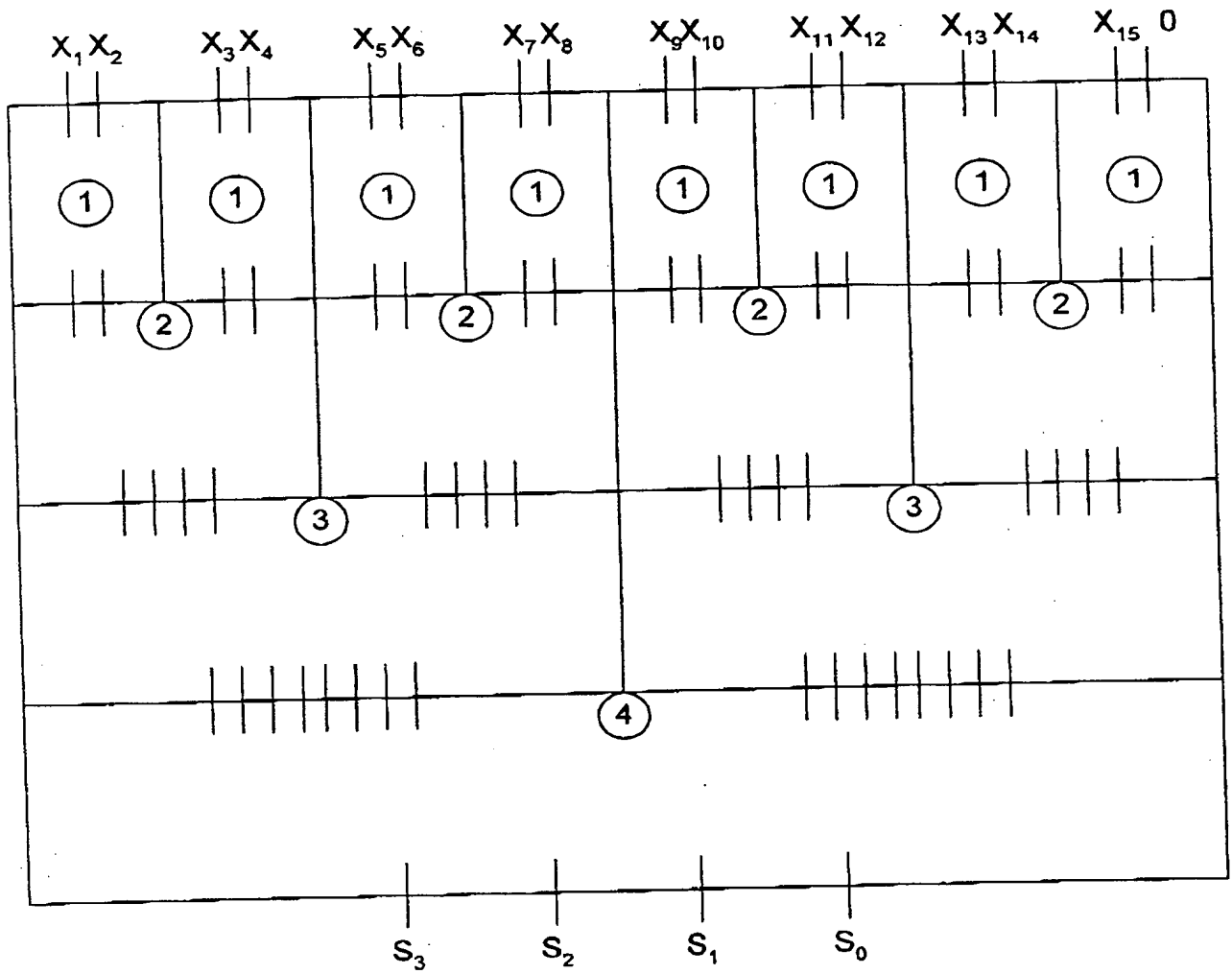


Fig 14

BLOCK 1

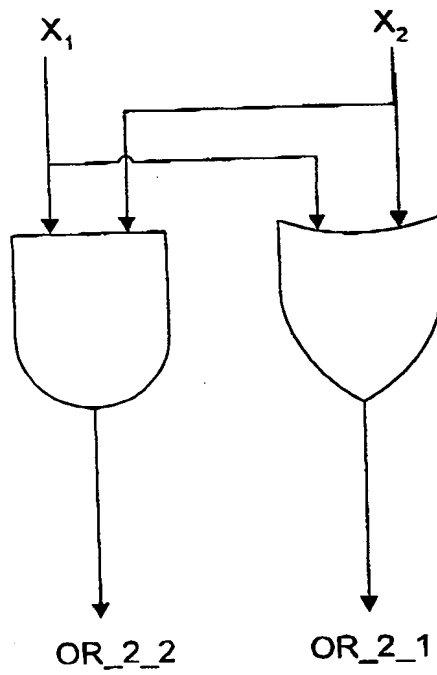


Fig 15

## BLOCK 2

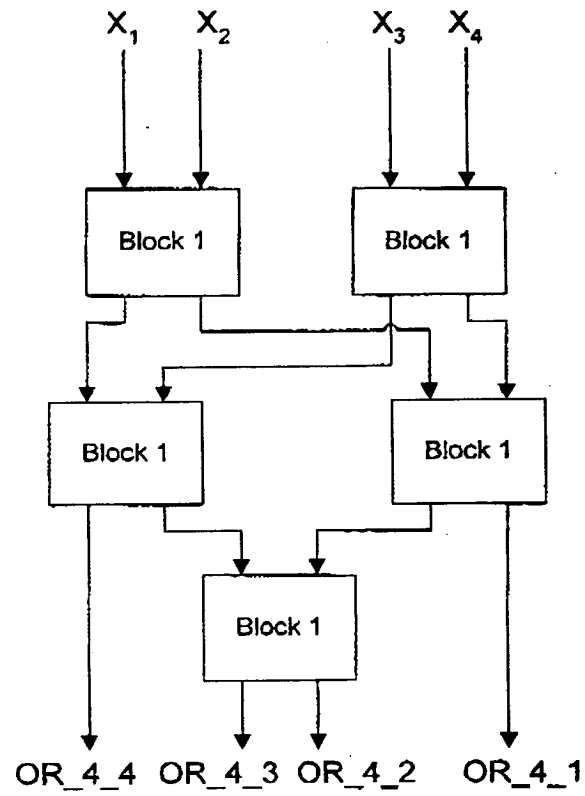


Fig 16



## BLOCK 3

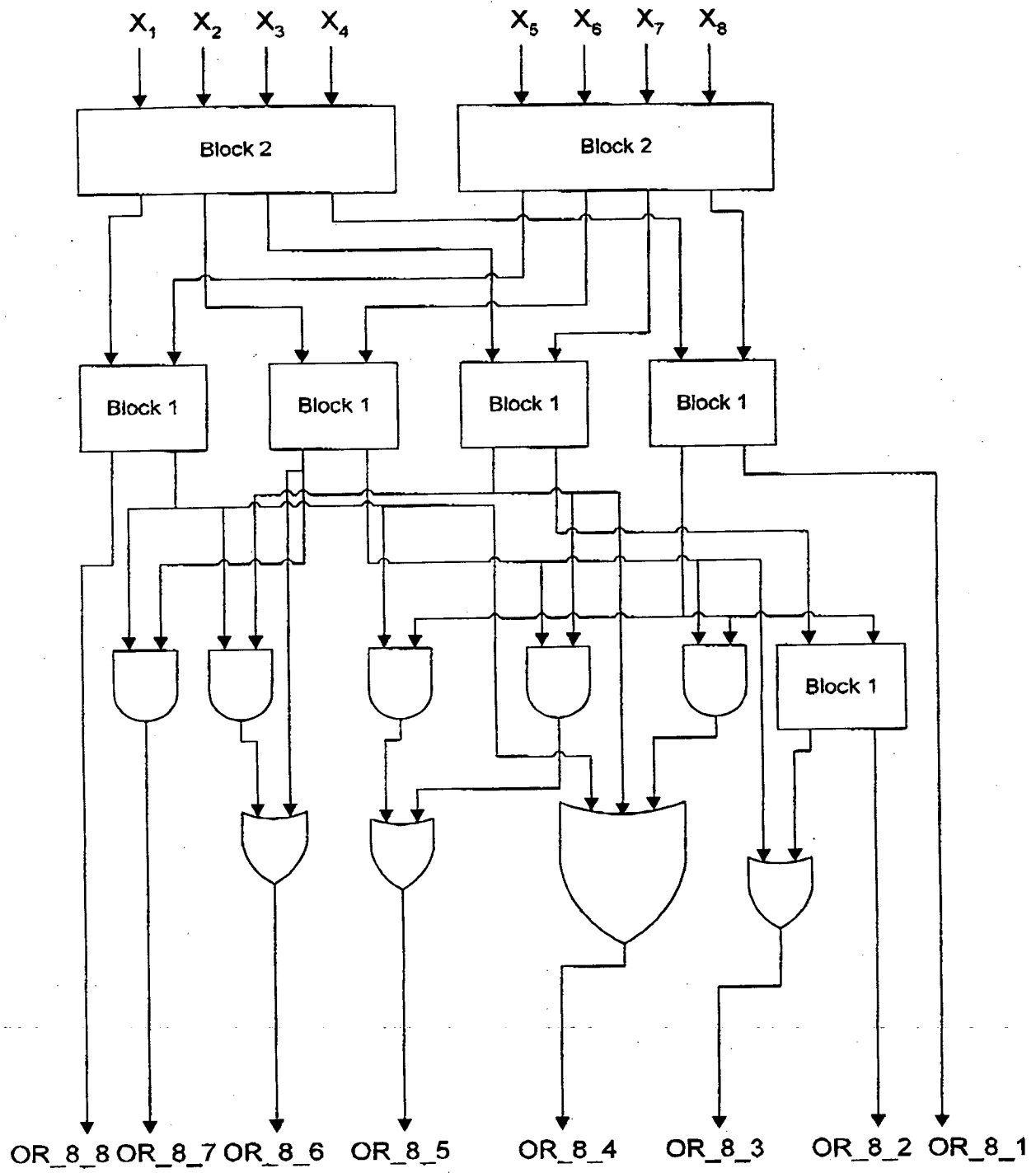


Fig 17

## BLOCK 4

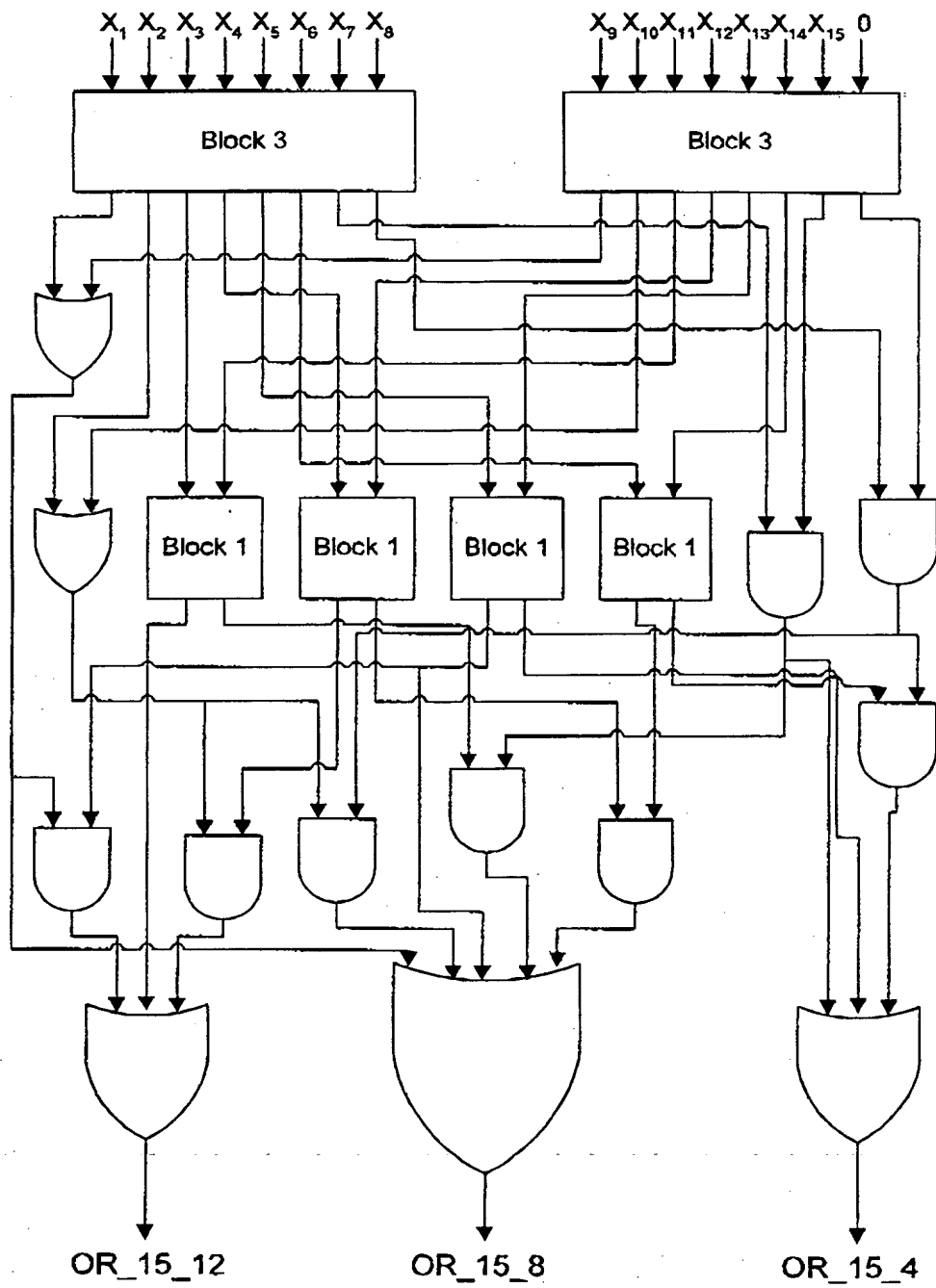


Fig 18

## BLOCK 5

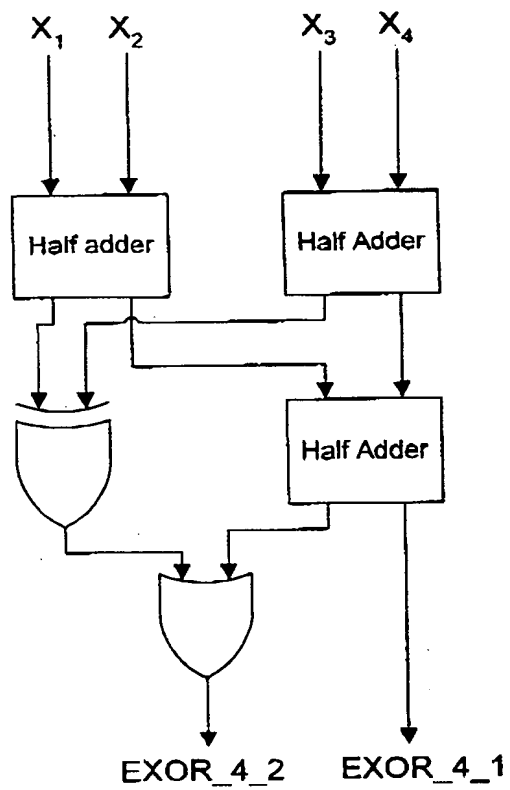


Fig 19

BLOCK 6

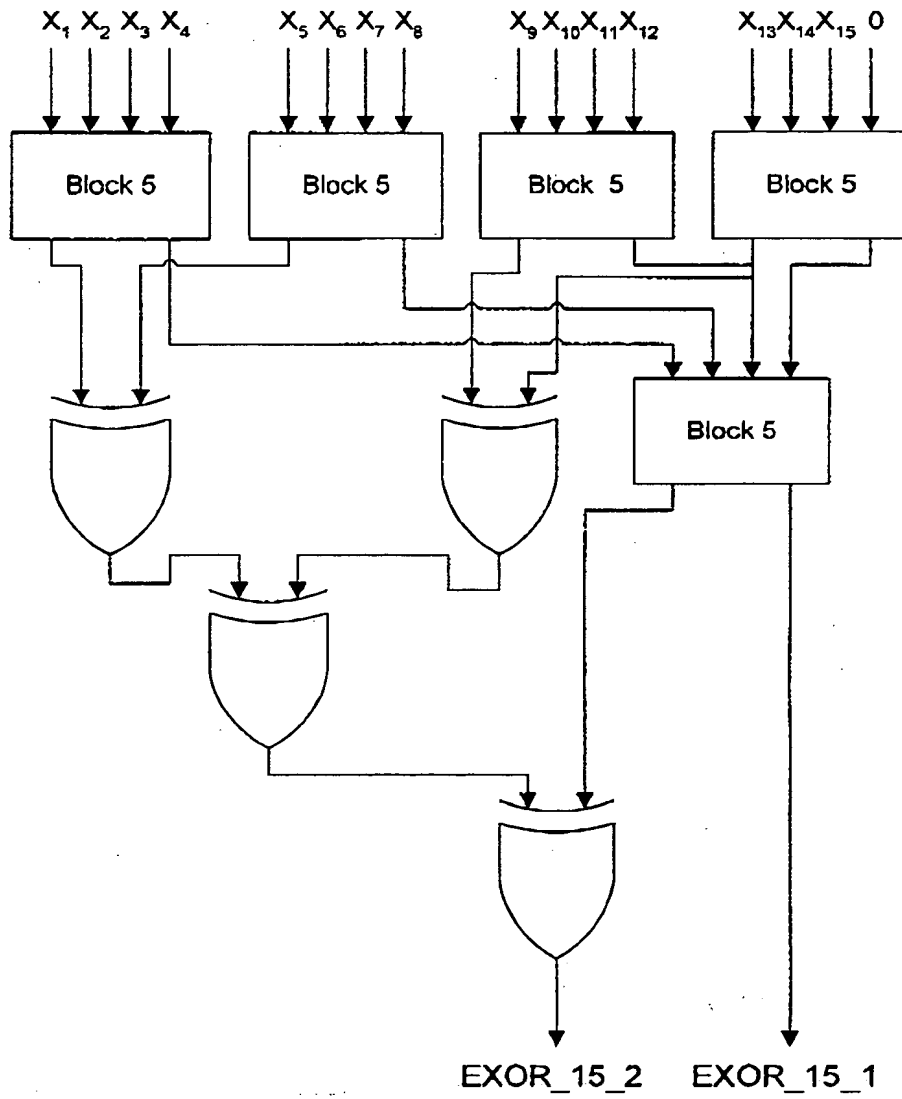


Fig 20

09769954-01501  
T05270-45669460

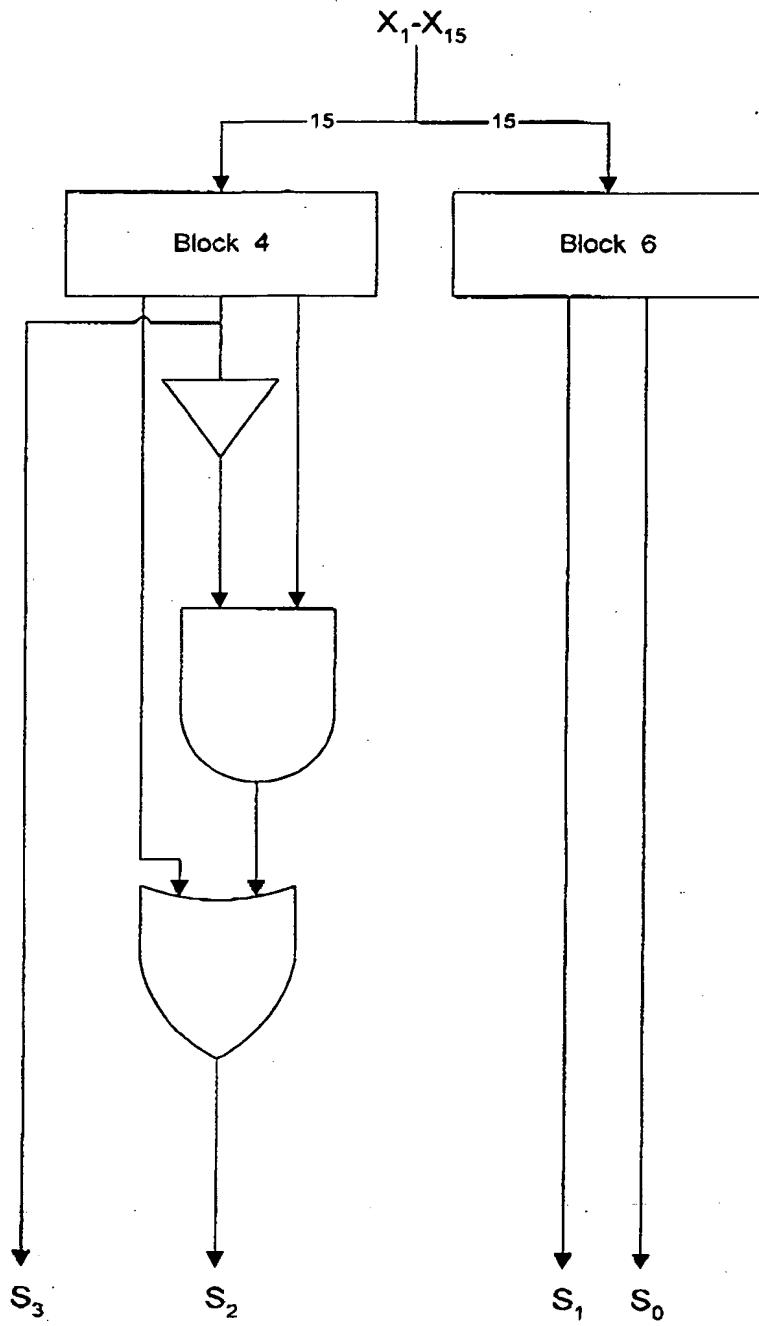


Fig 21

## PRIOR ART

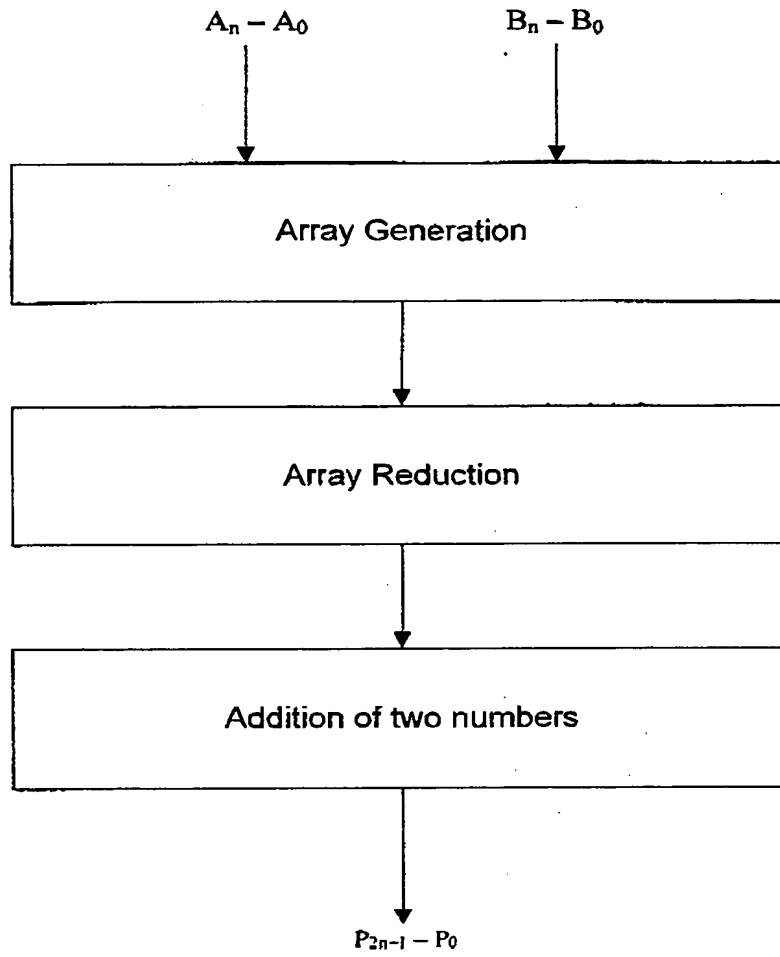


Fig 22

## PRIOR ART

$A_7B_0$   $A_6B_0$   $A_5B_0$   $A_4B_0$   $A_3B_0$   $A_2B_0$   $A_1B_0$   $A_0B_0$   
 $A_7B_1$   $A_6B_1$   $A_5B_1$   $A_4B_1$   $A_3B_1$   $A_2B_1$   $A_1B_1$   $A_0B_1$   
 $A_7B_2$   $A_6B_2$   $A_5B_2$   $A_4B_2$   $A_3B_2$   $A_2B_2$   $A_1B_2$   $A_0B_2$   
 $A_7B_3$   $A_6B_3$   $A_5B_3$   $A_4B_3$   $A_3B_3$   $A_2B_3$   $A_1B_3$   $A_0B_3$   
 $A_7B_4$   $A_6B_4$   $A_5B_4$   $A_4B_4$   $A_3B_4$   $A_2B_4$   $A_1B_4$   $A_0B_4$   
 $A_7B_5$   $A_6B_5$   $A_5B_5$   $A_4B_5$   $A_3B_5$   $A_2B_5$   $A_1B_5$   $A_0B_5$   
 $A_7B_6$   $A_6B_6$   $A_5B_6$   $A_4B_6$   $A_3B_6$   $A_2B_6$   $A_1B_6$   $A_0B_6$   
 $A_7B_7$   $A_6B_7$   $A_5B_7$   $A_4B_7$   $A_3B_7$   $A_2B_7$   $A_1B_7$   $A_0B_7$

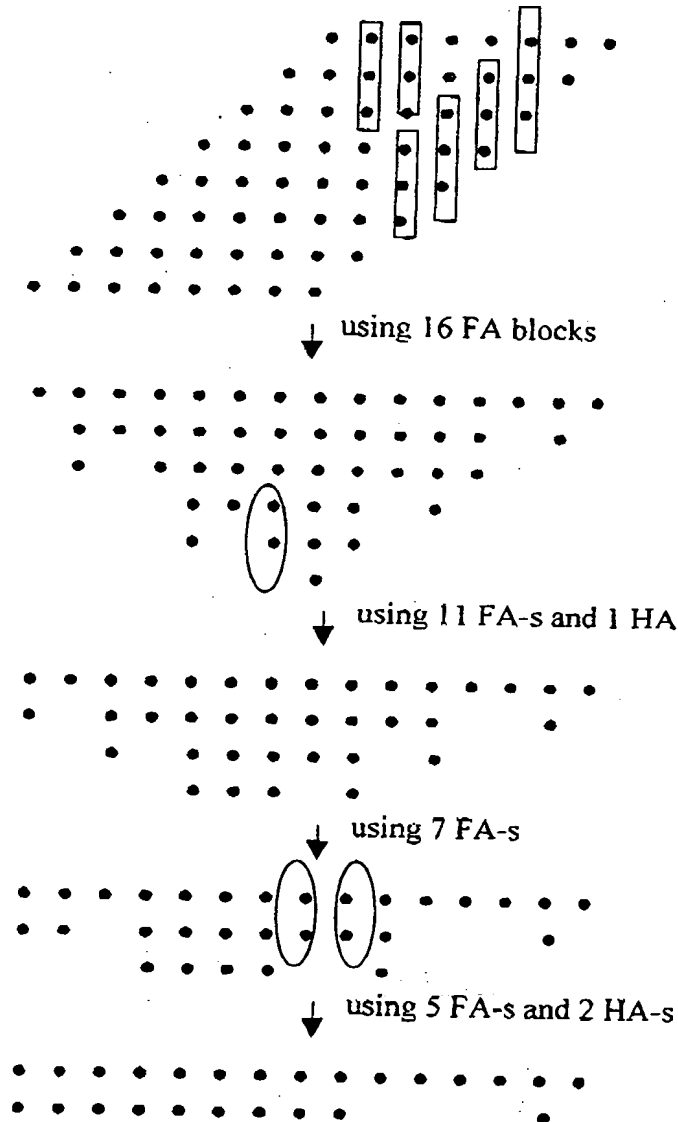


Fig 23

$A_1B_0$   $A_0B_0$   
 $A_2B_1$   $A_1B_1$   $A_0B_1$   
 $A_3B_2$   $A_2B_2$   $A_1B_2$   
 $A_4B_3$   $A_3B_3$   $A_2B_3$   
 $A_5B_4$   $A_4B_4$   $A_3B_4$   
 $A_6B_5$   $A_5B_5$   $A_4B_5$   
 $A_7B_6$   $A_6B_6$   $A_5B_6$   
 $A_7B_7$   $A_6B_7$

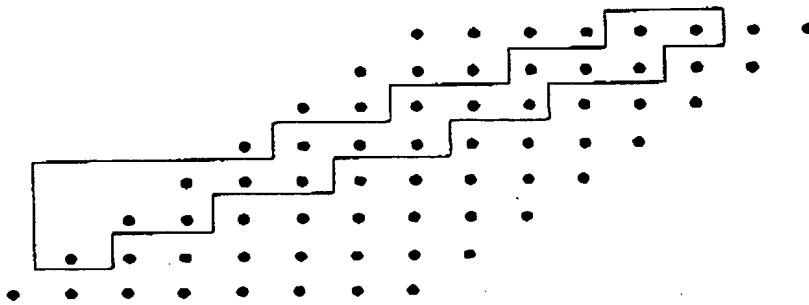
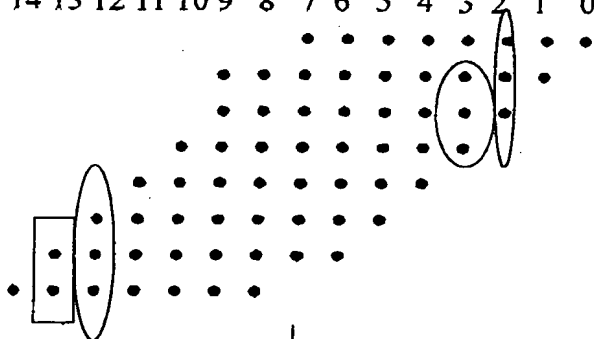


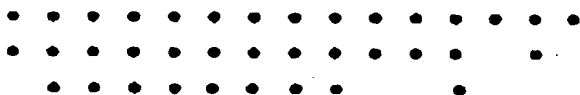
Fig 24



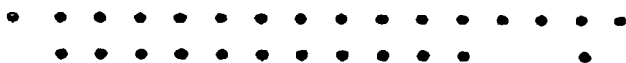
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 - column numbers



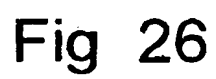
↓ using 1 HA, 3 FA-s, and 8 higher parallel counters



using 9 FA-s and 3 HA-s



**Fig 25**



**Fig 26**